AQ8

Ultra-compact, full-range system

architectual

features

- Wide 90° x 50° dispersion
- Rotatable HF horn
- Architecturally friendly styling
- 1st & 2nd fix wall and ceiling brackets available

applications

- Clubs, bars and restaurants
- Theatres
- Places of worship
- AV presentations

The Martin Audio AQ8 is a two-way passive loudspeaker designed to give excellent sonic performance from a compact and architecturally neutral, vented enclosure. It features an 8" (200mm) long-throw, direct radiating bass unit with a 2" (50mm) voice coil, and a 1" (25mm) diaphragm, 1" (25mm) exit compression driver coupled to a constant directivity HF horn.

The AQ8's compact size makes it perfect for high quality distributed sound systems in clubs, bars, AV presentations, places of worship, museums, foyers, sports venues and exhibition centres. Its excellent headroom makes it suitable for supplementary live sound applications, such as theatre front fills and delay systems, and its sonic accuracy makes it appropriate for small to medium scale post production applications.

The AQ8 features a generously sized high frequency horn and a high order crossover for superior pattern control down into the low midrange and smooth off-axis characteristics. The AQ8 is housed in a heavily braced MDF enclosure and fitted with a flush, acoustically transparent steel grille. The enclosure is fitted with six M8 inserts for fitting AQWB8, AQCS, or AQCL brackets to allow for horizontal or vertical mounting, plus two additional M8 inserts for either a safety point or fitting the AQFB Flying Bracket.

A Martin Audio AQX Electronic Controller is available to provide AQ8/subwoofer crossover, limiter and trim functions.

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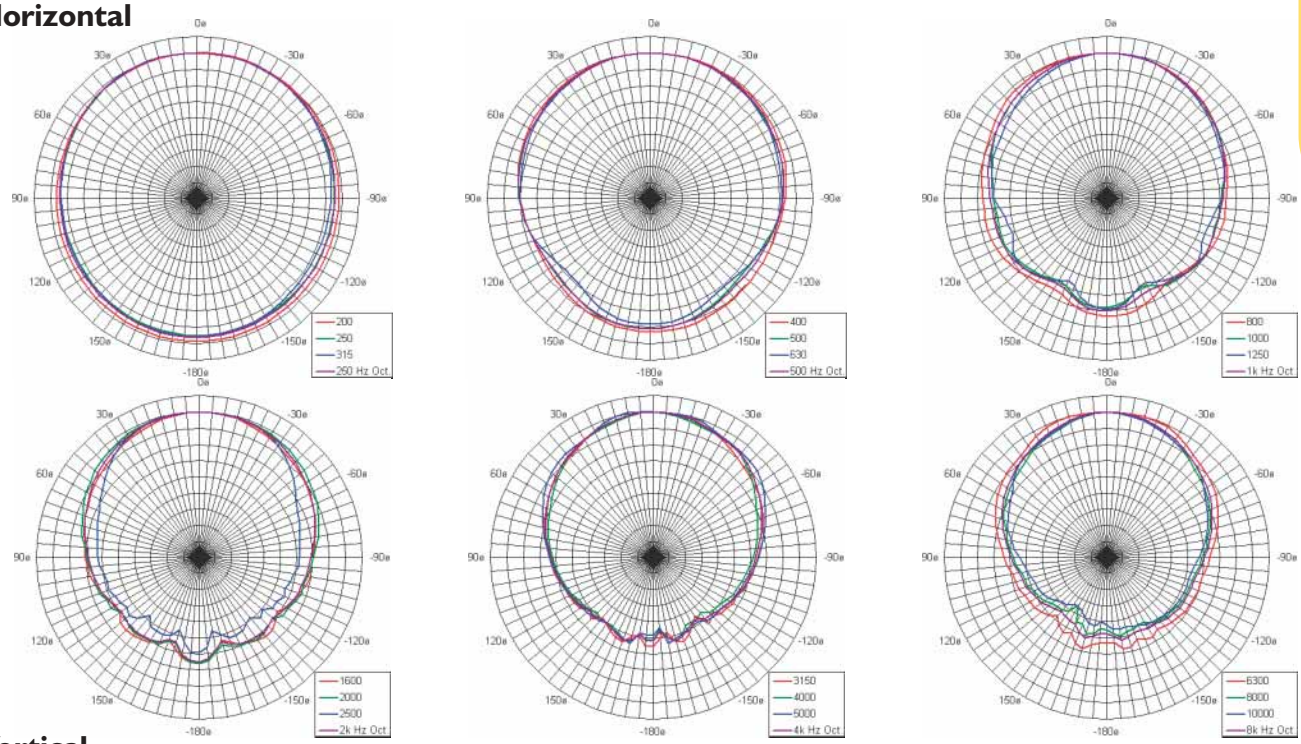
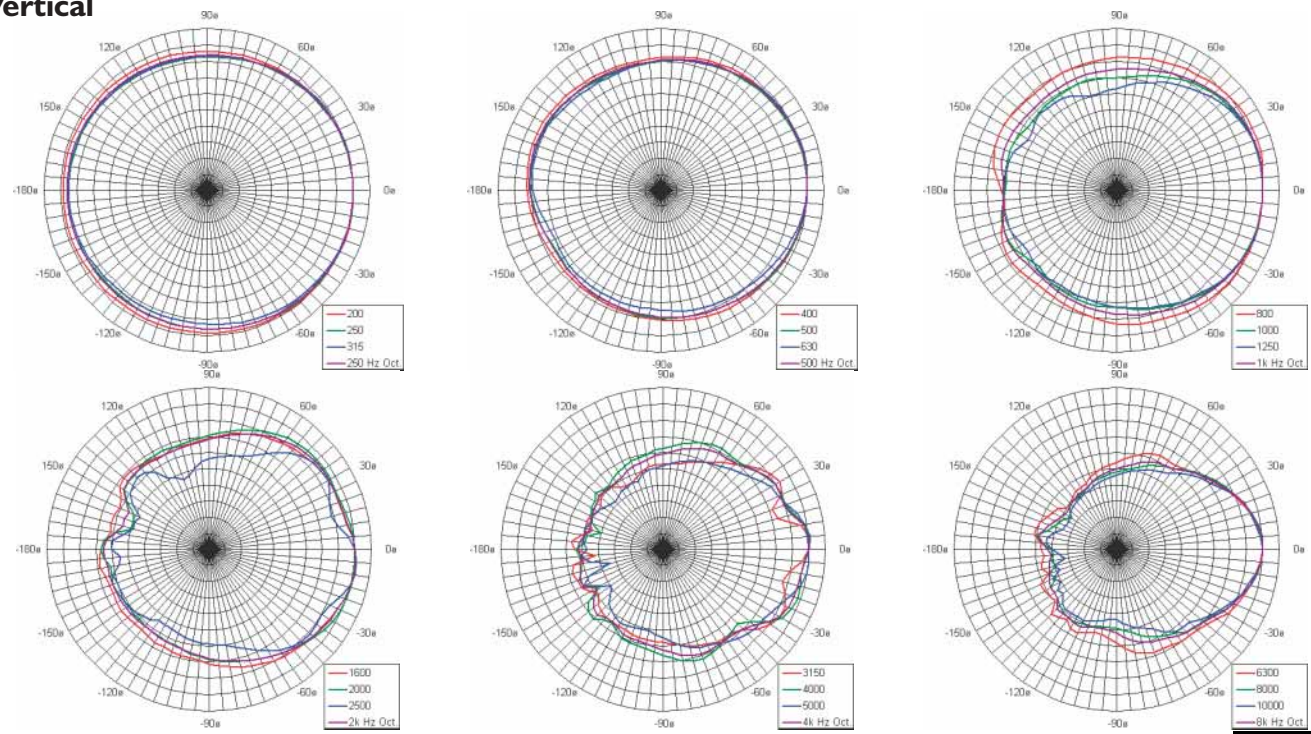
polar plots - 1/3rd 8ve, 6dB/div

Horizontal



Vertical



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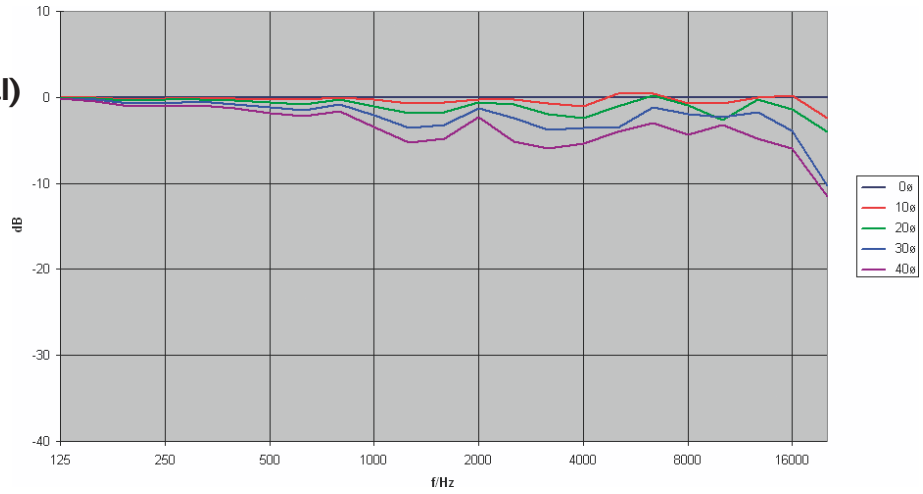
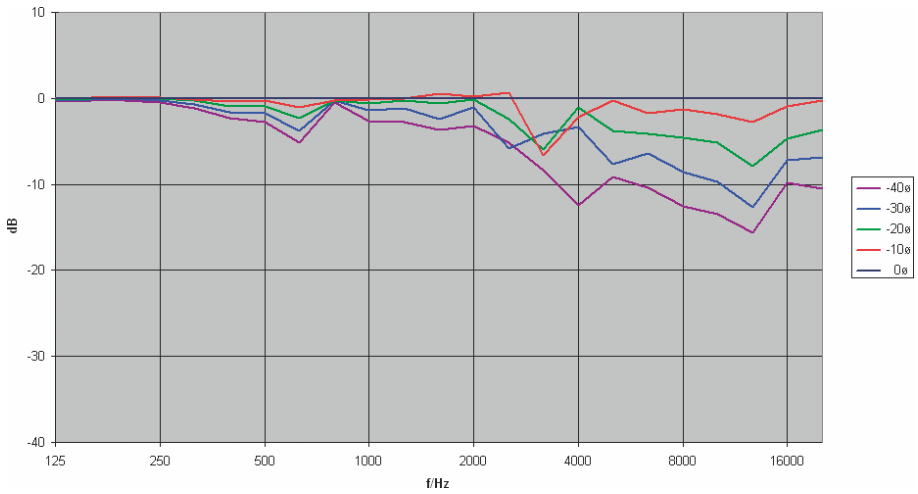
frequency responses

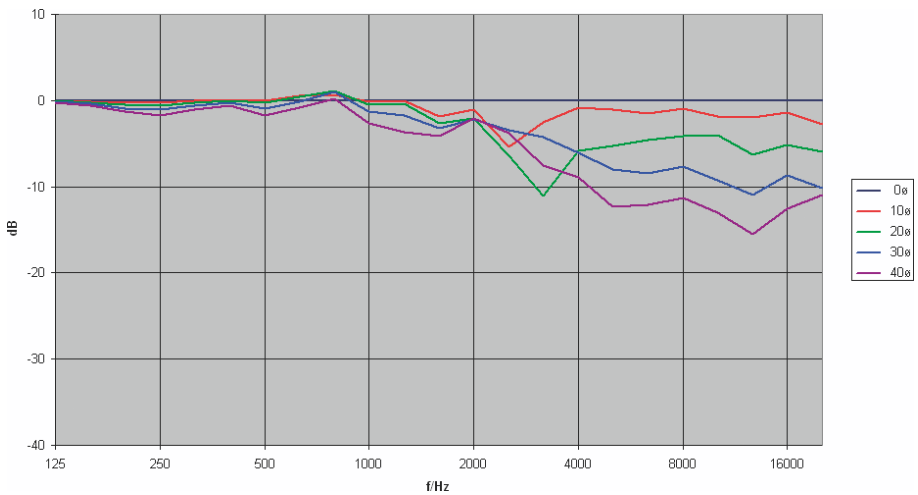
Horizontal (symmetrical)



Vertical -(up)



Vertical +(down)



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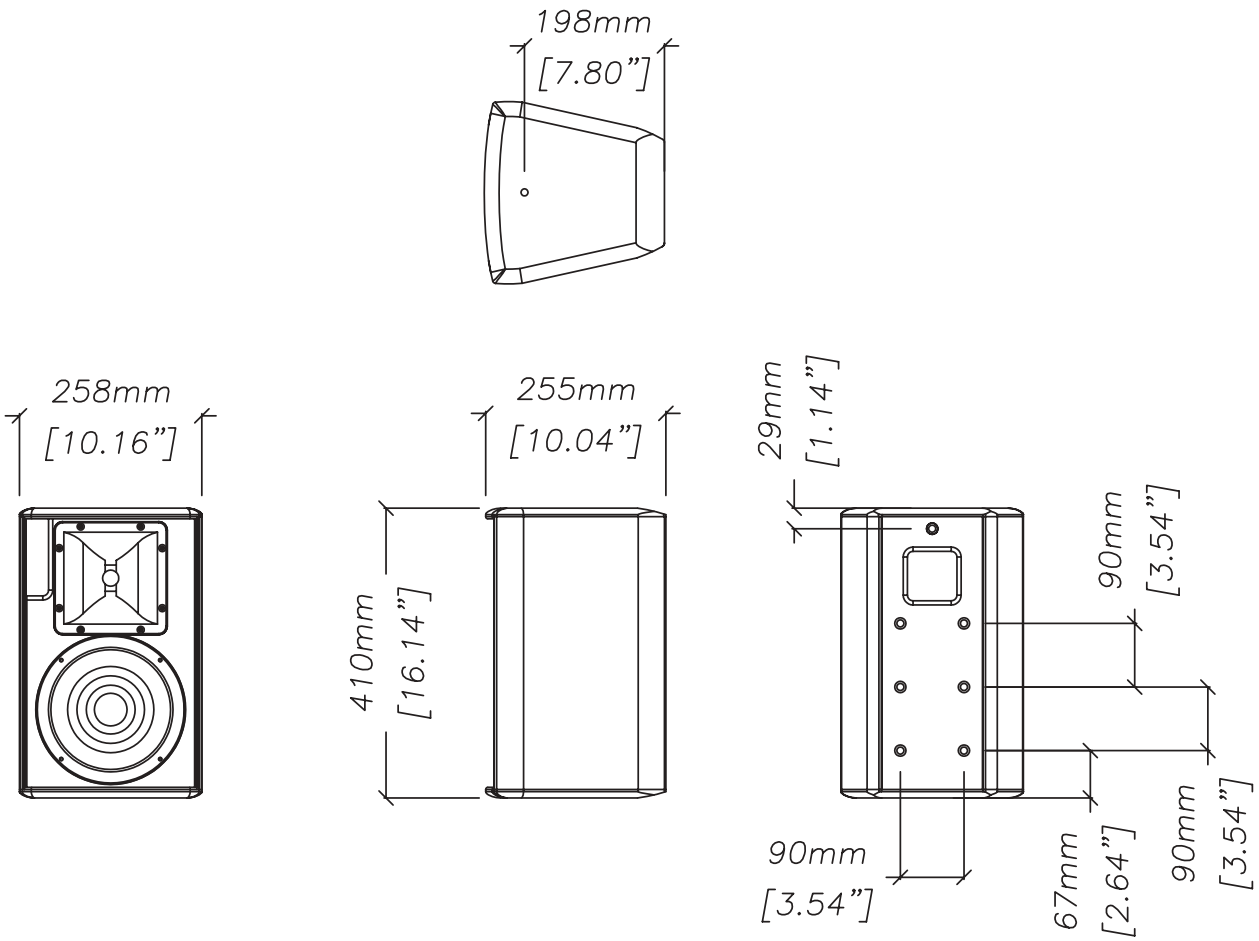
architectual

overall dimensions



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architectural

technical specifications

TYPE	Ultra-compact, two-way passive, vented trapezoid
FREQUENCY RESPONSE (1)	75Hz-20kHz ± 3dB
DRIVERS	8" (200mm) bass driver 1" (25mm) exit HF compression driver
RATED POWER (2)	150W AES, 600W peak
RECOMMENDED AMPLIFIER	150-300W into 4 ohms
SENSITIVITY (6)	93dB
MAXIMUM SPL (7)	113dB continuous, 119dB peak
NOMINAL IMPEDANCE	8 ohms
DISPERSION (-6dB)	90° horizontal, 50° vertical
CROSSOVER	3kHz passive
ENCLOSURE	14 litre, 15/18mm MDF
FINISH	Textured light grey paint
PROTECTIVE GRILLE	Light grey perforated steel
CONNECTORS	Low profile 20 amp push-lock
FITTINGS	6 x M8 inserts for bracket 2 x M8 inserts for safety point
OPTIONS	30W 100/70V line transformer
DIMENSIONS	(W) 258mm x (H) 410mm x (D) 255mm (W) 10.2ins x (H) 16.2ins x (D) 10ins
WEIGHT	10.5kg (23lbs)

accessories

AQWB8	Wall Bracket
AQCS	Short Ceiling Bracket
AQCL	Long Ceiling Bracket
AQFB	Flying Bracket

architectural and engineering specifications

The loudspeaker system shall be of the two-way passive type consisting of one 8" (200mm) direct radiating reflex loaded low frequency transducer and one 1" (25mm) exit HF compression driver mounted on a user rotatable constant directivity horn in a trapezoidal MDF enclosure. The enclosure shall be fitted with threaded inserts for attachment to a custom bracket. An internal 3kHz passive crossover network shall integrate the low and high frequency sections.

Performance of the loudspeaker system with its electronic controller shall meet or exceed the following criteria:
Frequency response measured 1 metre on axis shall be 75Hz-20kHz ±3dB.
High frequency dispersion at -6dB points shall be 90°H x 50°V.
Power handling shall be 150W AES, 600W peak.
Rated impedance shall be 8 ohms.
Maximum SPL measured at 1 metre on axis shall be 113dB continuous, 119dB peak.
Dimensions (W) 258mm x (H) 410mm x (D) 255mm (10.2ins x 16.2ins x 10ins).
Weight 10.5kg (23lbs).

The loudspeaker system shall be the Martin Audio AQ8.

Notes

(1) Measured on-axis in half space at 2 metres, then referred to 1 metre.
(2) AES Standard ANSI S4.26-1984.
(3) Measured in half space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(4) Measured in half space at 2 metres using band limited pink noise, then referred to 1 metre.
(5) Measured on-axis in open (4π) space at 2 metres, then referred to 1 metre.
(6) Measured in open (4π) space at 2 metres with 1 watt input, using band limited pink noise, then referred to 1 metre.
(7) Measured in open (4π) space at 2 metres using band limited pink noise, then referred to 1 metre.

Trade Descriptions Act
Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

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